

FFY 2022 OLD COLONY UNIFIED PLANNING WORK PROGRAM (UPWP)

FIRST QUARTER PROGRESS REPORT
October 2021, November 2021, and December 2021

January 27, 2022

PREPARED UNDER MASSDOT CONTRACT #114676
OLD COLONY PLANNING COUNCIL
70 SCHOOL STREET, BROCKTON, MA 02301

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**FFY 2022 OLD COLONY UPWP FIRST QUARTER PROGRESS REPORT
OLD COLONY PLANNING COUNCIL (OCPC)**

1.0 - INTRODUCTION AND SUMMARY

The Old Colony Planning Council (OCPC) has prepared the FFY 2022 Old Colony Unified Planning Work Program (UPWP) First Quarter Progress Report that provides the Progress and Products accomplished during October, November, and December 2021. The First Quarter Report also provides financial information regarding the Combined PL 5303 expenditures through MassDOT Contract #114676.

The Old Colony Metropolitan Planning Organization (MPO) is responsible for conducting a continuing, cooperative, and comprehensive transportation planning process that results in plans, programs, and projects that encompass all transportation modes and that support the region's vision and communities' goals. The Old Colony MPO plans for the movement of both people and goods within the region by all modes of travel, including highways, rail, public transportation, bicycles, and foot. It also plans for the connections linking these modes.

The FFY 2022 Old Colony Unified Planning Work Program (UPWP) describes and provides budgetary information for the transportation planning tasks and activities, which are to be conducted in the region during the coming year. The Old Colony Planning Council (OCPC) has the responsibility of preparing the UPWP and conducting the tasks contained here within. The planning activities are organized first by task element in a format that will allow efficient administration, management, and reporting. For convenience in management, similar tasks are grouped into the following elements:

- 1000 - Management and Support of the Planning Process and Certification Activities
- 2000 - Data Reconnaissance, Acquisition, and Analysis Activities
- 3000 - Short Range and Long Range Transportation Planning Activities
- 4000 - Other Transportation Technical Activities

The FFY 2022 Old Colony UPWP efforts focus on the development of the Road Safety Audits (RSAs) at Multiple Locations Project, the High Priority Corridor Screening Assessment Study, and the Freight Planning and Action Plan, the Performance Management and related Performance Measures and Target development, continued development of the Regional Travel Demand Model (TransCAD), operation of the Congestion Management Process, operation of the Safety Management System, operation of the Pavement Management System, and the development of the Transportation Improvement Program. Attention also focuses on the regional multi-modal data surveillance program (including counting of bicycles and pedestrians, developing an inventory of gaps in the bicycle network, and developing an index of regional bikeability), maintaining regional databases, adjusting and amending certification documents as needed, and implementing the management systems. OCPC continues to incorporate the Geographic Information Systems into various tasks and plans undertaken.

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Aside from the planned activities contained in the FFY 2022 UPWP, the staff adapted and continued to respond to the COVID-19 Pandemic by continuing virtual public engagement for meetings of the Old Colony JTC, Old Colony MPO, and Public Meetings. On June 16, 2021, Governor Baker signed into law An Act Extending Certain COVID-19 Measures Adopted During the State of Emergency. This Act includes an extension, until April 1, 2022, of the remote meeting provisions of his March 12, 2020, Executive Order Suspending Certain Provisions of the Open Meeting Law. The staff also continued tracking of traffic volume trends compared to stages of Massachusetts Re-Opening Phases and have posted this information to the OCPC Website at: http://www.ocpcrpa.org/traffic_during_covid.html. With the continuation of the traffic counting program, staff completed the requested MassDOT Traffic Count Program and conducted traffic counts as part of the Local Technical Assistance Program and several locations to monitor local traffic trends. Furthering the adaptation, was the continued research on the applications of Unmanned Aerial Vehicles (UAVs) commonly referred to as “drones.”

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2.0 - FFY 2022 OLD COLONY UPWP FIRST QUARTER EXPENDITURES

Table 1 provides a summary of the First Quarter Expenditures by UPWP Task under contract #114676. The Table 1 also provides Year to Date Expenditures.

**Table 1
FFY 2022 Old Colony UPWP Summary of First Quarter Expenditures**

Task #	Task Description	First Quarter Expenses	UPWP Annual Budget	Year to Date	
				Expenses	To Date % Expenses
1000 Management & Support of the 3C and Certification Activities					
1100	3C Program Support	\$15,012.24	\$60,000.00	\$15,012.24	1.57%
1200	Unified Planning Work Program (UPWP)	\$2,513.35	\$14,000.00	\$2,513.35	0.26%
1300	Public Participation Program (PPP)	\$13,664.11	\$61,000.00	\$13,664.11	1.42%
1400	Transportation Improvement Program (TIP)	\$9,428.23	\$42,000.00	\$9,428.23	0.98%
1500	Title VI and Environmental Justice	\$5,602.41	\$44,000.00	\$5,602.41	0.58%
	Subtotals	\$46,220.34	\$221,000.00	\$46,220.34	4.82%
2000 Data Collection and Analysis Activities					
2100	Demographic Surveillance & Road Inventory	\$5,834.19	\$20,000.00	\$5,834.19	0.61%
2200	Multi-Modal Data Surveillance and Monitoring	\$21,745.10	\$87,000.00	\$21,745.10	2.27%
2300	System Planning Resource Activities	\$12,505.79	\$48,000.00	\$12,505.79	1.30%
2400	Geographic Information System (GIS)	\$20,250.59	\$64,000.00	\$20,250.59	2.11%
2500	Management Systems and Travel Demand Model	\$33,240.57	\$96,000.00	\$33,240.57	3.47%
	Subtotals	\$93,576.23	\$315,000.00	\$93,576.23	9.76%
3000 Long Range Trans. Planning Activities					
3100	Regional Traffic Studies, ITS, and, Int. Planning	\$19,269.28	\$75,000.00	\$19,269.28	2.01%
3200	Local Highway Technical Assistance	\$16,879.54	\$85,000.00	\$16,879.54	1.76%
3300	RSAs at Multiple Locations	\$17,255.95	\$88,201.00	\$17,255.95	1.80%
3400	High Priority Corridor Study Screening Assessment	\$14,048.88	\$55,000.00	\$14,048.88	1.46%
3500	Freight Planning and Action Plan	\$6,553.12	\$60,000.00	\$6,553.12	0.68%
3600	Performance Based Planning	\$5,992.93	\$20,000.00	\$5,992.93	0.62%
	Subtotals	\$79,999.69	\$383,201.00	\$79,999.69	8.34%
4000 Long Range Trans. Planning Activities					
4100	Transit Technical Assistance	\$7,768.38	\$40,000.00	\$7,768.38	0.81%
	Subtotals	\$7,768.38	\$40,000.00	\$7,768.38	0.81%
TOTAL		\$227,564.64	\$959,201.00	\$227,564.64	23.72%

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3.0 - FFY 2022 OLD COLONY UPWP FIRST QUARTER TASK PROGRESS AND PRODUCTS

The following is a reporting of the progress and products accomplished during the FFY 2022 First Quarter. Included in the summary is information on the task schedule and reflection on potential for completing said task.

Task 1100: 3C Program Support

Progress and Products:

- Staff attended and participated in Cape Cod MPO Meeting - Federal Certification Review - Public Involvement Session.
- Staff attended and participated in three (3) Old Colony Joint Transportation Committee (JTC) Meetings.
- Staff attended and participated in one (1) Old Colony Metropolitan Planning Organization (MPO) Meetings.
- Staff attended and participated in PL Subcommittee Meeting.
- Staff attended and participated in three (3) Transportation Program Managers Group (TMG) Meetings.
- Staff attended and participated in Transportation Program Managers Group (TMG) Agenda Setting Meeting.
- Staff completed Transportation Planning Certification Review Action Plan Status Report as of September 30, 2021.
- Staff completed Transportation Planning Certification Review Action Plan Status Report as of December 31, 2021.
- Staff conducted tasks such as invoicing, staff meetings, trainings, personnel evaluations, and professional development, etc.
- Staff continued process to seek an Elected Official (Select Board Member or Town Council Member) from a community with a population more than 15,000 to serve as a Signatory Member on the Old Colony Metropolitan Planning Organization (MPO). Election scheduled to take place at January 26, 2022 OCPC Board Meeting.
- Staff monitored EEA MEPA reviews/ scoping sessions and provided review/comments on ENFs & EIRs undergoing review, as appropriate.
- Staff reviewed Draft MEPA Protocols for Analysis of Environmental Justice Impacts.
- Staff reviewed EEA #16504 - Warehouse Facility Project (East Bridgewater).

Meeting(s)

- Transportation Program Managers Group Meeting
October 5, 2021
Taunton, MA (Virtual)
FHWA, FTA, MassDOT, MPOs, RPAs
- Old Colony Joint Transportation Committee (JTC) Meeting

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October 7, 2021

Brockton, MA (Virtual)

Old Colony JTC, BAT, MassDevelopment, MassDOT, Keolis, Stakeholders

- Old Colony Metropolitan Planning Organization (MPO) Meeting
October 19, 2021
Brockton, MA (Virtual)
Old Colony MPO, BAT, FHWA, Kingston, MassDevelopment, MassDOT, SeePlymouth, Stakeholders
- Transportation Program Managers Group Meeting
November 2, 2021
Taunton, MA (Virtual)
FHWA, FTA, MassDOT, MPOs, RPAs
- Old Colony Joint Transportation Committee (JTC) Meeting
November 4, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MassDevelopment, MassDOT, Stakeholders
- Cape Cod MPO Meeting - Federal Certification Review - Public Involvement Session
November 15, 2021
West Barnstable, MA (Virtual)
FHWA, FTA, MassDOT, MPOs, Communities, Stakeholders
- Old Colony Joint Transportation Committee (JTC) Meeting
December 2, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MA Safe Routes to School, MassDevelopment, MassDOT, Metro South Chamber of Commerce, See Plymouth, United Way - Greater Plymouth, Stakeholders
- Transportation Program Managers Group Meeting
December 7, 2021
Taunton, MA (Virtual)
FHWA, FTA, MassDOT, MPOs, RPAs
- PL Subcommittee Meeting
December 9, 2021
Taunton, MA (Virtual)
FHWA, MassDOT, MPOs, RPAs
- Transportation Program Managers Group Agenda Setting Meeting

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December 21, 2021
Taunton, MA (Virtual)
FHWA, FTA, MassDOT, MPOs, RPAs

Schedule:

- Management and support activities to be conducted on a continuing basis throughout the program year.

Task 1200: Unified Planning Work Program (UPWP)

Progress and Products:

- Staff completed FFY 2022 Old Colony UPWP Invoice and Progress Report for October, November, and December within 30 days of the close of the preceding month.
- Staff continued development of FFY 2023 Old Colony UPWP.
- Staff completed FFY 2021 Old Colony UPWP Annual Report.
- Staff continued implementing and monitoring FFY 2022 Old Colony UPWP.

Schedule:

- FFY 2023 UPWP is under development on will be on track for endorsement by July 2022.
- FFY 2022 UPWP Monthly Invoices and Progress Reports are prepared and submitted to MassDOT within 30 days of the close of the month.
- FFY 2021 UPWP Annual Progress Report was prepared and submitted to MassDOT within 90 days of the close of the reporting period.

Task 1300: Public Participation

Progress and Products:

- Staff attended and participated in three (3) Old Colony Joint Transportation Committee Meetings.
- Staff attended and participated in one (1) Old Colony Metropolitan Planning Organization (MPO) Meetings.
- Staff continued effort to review and expand contact list for public outreach.
- Staff continued efforts to develop website, newsletter articles, and outreach materials through media outlets.
- Staff continued to implement pro-active public participation process as identified in the Old Colony Public Participation Plan and updated the Transportation Advisory Network (TAN) Outreach Contact List.
- Staff continued to develop the 2021 Measures of Effectiveness Report in order to qualify and quantify effectiveness of the public participation process.

Meeting(s):

- Old Colony Joint Transportation Committee (JTC) Meeting

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October 7, 2021

Brockton, MA (Virtual)

Old Colony JTC, BAT, MassDevelopment, MassDOT, Keolis, Stakeholders

- Old Colony Metropolitan Planning Organization (MPO) Meeting
October 19, 2021
Brockton, MA (Virtual)
Old Colony MPO, BAT, FHWA, Kingston, MassDevelopment, MassDOT, SeePlymouth, Stakeholders
- Old Colony Joint Transportation Committee (JTC) Meeting
November 4, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MassDevelopment, MassDOT, Stakeholders
- Old Colony Joint Transportation Committee (JTC) Meeting
December 2, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MA Safe Routes to School, MassDevelopment, MassDOT, Metro South Chamber of Commerce, See Plymouth, United Way - Greater Plymouth, Stakeholders

Schedule:

- Task activities to be conducted throughout the program year.
- Draft 2021 Measures of Effectiveness Report is under development and is scheduled to be completed in January 2022.

Task 1400: Transportation Improvement Program (TIP)

Progress and Products:

- Staff attended and participated in CMAQ Consultation Committee Meeting.
- Staff attended and participated in Duxbury/ Kingston - Signal Installation @ Route 3 Ramps & Route 3A (606002) Coordination Meeting.
- Staff attended and participated in MAPIT 3.0 Course (UMass Transportation Center).
- Staff attended and participated in three (3) Old Colony Joint Transportation Committee (JTC) Meetings.
- Staff attended and participated in Route 139/ Center Street and Main Street Project Coordination Meeting (Hanover).
- Staff attended and participated in TIP Projects and RSAs Planning Coordination with City of Brockton.
- Staff began development of FFY 2023-2027 Old Colony TIP.
- Staff continued implementing and monitoring status of FFY 2022-2026 Old Colony TIP, and discussing implementation with communities, BAT, and MassDOT.

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- Staff continued to implement and monitor status of FFY 2022-2026 Old Colony TIP, and discussed implementation with communities, BAT, and MassDOT.
- Staff coordinated with MassDOT and BAT and then prepared and posted FFY 2021 Annual Listing of Obligated Projects.

Meeting(s):

- Old Colony Joint Transportation Committee (JTC) Meeting
October 7, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MassDevelopment, MassDOT, Keolis, Stakeholders
- Route 139/ Center Street and Main Street Project Coordination Meeting (Hanover)
October 25, 2021
Hanover, MA (Virtual)
Hanover, MassDOT District 5, OCPC
- CMAQ Consultation Committee Meeting
October 28, 2021
Boston, MA (Virtual)
DEP, EPA, FHWA, FTA, MassDOT, MPOs,
- Old Colony Joint Transportation Committee (JTC) Meeting
November 4, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MassDevelopment, MassDOT, Stakeholders
- Duxbury & Kingston - Signal Installation @ Route 3 Ramps & Route 3A (606002)
Coordination Meeting
November 10, 2021
Kingston, MA (Virtual)
Duxbury, Kingston, MassDOT, OCPC, Consultant
- Old Colony Joint Transportation Committee (JTC) Meeting
December 2, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MA Safe Routes to School, MassDevelopment, MassDOT, Metro South Chamber of Commerce, See Plymouth, United Way - Greater Plymouth, Stakeholders
- TIP Projects and RSAs Planning Coordination with City of Brockton
December 14, 2021
Brockton, MA
Brockton, OCPC

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Schedule:

- FFY 2023-2027 Old Colony TIP is on schedule and TIP Readiness Day is scheduled for February 8, 2022. Additionally, on January 28, 2022, the Annual MARPA-MassDOT Meeting will take place and this include collaboration on TIP guidance, development and funding targets.
- Implementation of the FFY 2022-2026 TIP is on schedule as all of the programmed highway projects have been advertised for construction bids by MassDOT in the first Quarter of FFY 2021. Staff is ready to develop amendments and administrative modifications, as necessary.

Task 1500: Title VI and Environmental Justice (EJ)
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Progress and Products:

- Staff attended and participated in Leading with Equity - A more effective way to frame Age-Friendly Approaches Webinar (APA).
- Staff attended and participated in three (3) Old Colony Joint Transportation Committee (JTC) Meetings.
- Staff attended and participated in one (1) Old Colony Metropolitan Planning Organization (MPO) Meeting.
- Staff attended and participated in two (2) U.S. Department of Transportation Public Meetings on Justice40.
- Staff continued analyzing Census Data, language, LEP, safe routes to school, walk to transit, transit routes, as part of the Title VI and Environmental Justice analyses and inclusion in metropolitan transportation planning process.
- Staff continued Reflections, Opportunities, and Actions (ROA) Task Force.
- Staff continued review of U.S. DOT Order 1000.12C - Title VI Program.
- Staff continued reviewing Title VI and Environmental Justice FTA Circulars.
- Staff reviewed and refined Transportation Advisory Network (TAN) Outreach Contact List.

Meeting(s):

- Old Colony Joint Transportation Committee (JTC) Meeting
October 7, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MassDevelopment, MassDOT, Keolis, Stakeholders
- Old Colony Metropolitan Planning Organization (MPO) Meeting
October 19, 2021
Brockton, MA (Virtual)
Old Colony MPO, BAT, FHWA, Kingston, MassDevelopment, MassDOT, SeePlymouth, Stakeholders

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- **Leading with Equity - A more effective way to frame Age-Friendly Approaches Webinar (APA)**
November 3, 2021
Copley, OH (Virtual)
APA, MPOs, Stakeholders
- **Old Colony Joint Transportation Committee (JTC) Meeting**
November 4, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MassDevelopment, MassDOT, Stakeholders
- **U.S. Department of Transportation Public Meeting on Justice40: Session 1 of 2**
November 10, 2021
Washington, D.C. (Virtual)
US DOT, MPOs, Stakeholders
- **U.S. Department of Transportation Public Meeting on Justice40: Session 2 of 2**
November 16, 2021
Washington, D.C. (Virtual)
US DOT, MPOs, Stakeholders
- **Old Colony Joint Transportation Committee (JTC) Meeting**
December 2, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MA Safe Routes to School, MassDevelopment, MassDOT, Metro South Chamber of Commerce, See Plymouth, United Way - Greater Plymouth, Stakeholders

Schedule:

- Task activities are to be conducted throughout the year. Awaiting guidance on Annual Title Reporting.

Task 2100: Demographic Surveillance and Road Inventory Update
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Progress and Products:

- Staff acquired zoning by-laws/ ordinances, zoning base districts, and zoning overlay districts for all communities in support for work of Socioeconomic Projections Committee.
- Staff attended and participated in three (3) Socioeconomic Projections Committee Meeting.
- Staff commenced process to review Draft Eastern MA Region Census 2020 PUMA Delineations.
- Staff continued review of 2020-2040 LRTP socio-economic projections.

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- Staff continued reviewing Road Inventory File, Chapter 90 allocations, and related data
Staff continued to conduct demographic analyses for ongoing projects.
- Staff continued to review socio-economic data and traffic related data, and respond to requests, as appropriate.
- Staff reviewed and updated existing projects and/ or added new projects from Old Colony Region into MassBuilds database.

Meeting(s):

- Socioeconomic Projections Committee Meeting
October 13, 2021
Boston, MA (Virtual)
FHWA, MassDOT, UMass Donahue Institute, MPOs
- Socioeconomic Projections Committee Meeting
November 10, 2021
Boston, MA (Virtual)
FHWA, MassDOT, UMass Donahue Institute, MPOs
- Socioeconomic Projections Committee Meeting
December 8, 2021
Boston, MA (Virtual)
FHWA, MassDOT, UMass Donahue Institute, MPOs

Schedule:

- Task activities are to be conducted throughout the year.

Task 2200: Multi-Modal Transportation System Data Surveillance and System Monitoring

Progress and Products:

- Staff completed the calendar year 2021 traffic counting program with traffic counts in the community of Brockton, Hanover, Hanson, Pembroke, Plympton, and West Bridgewater.
- Staff continued monitoring and preparation of traffic trends summary during pandemic utilizing MassDOT MS2.
- Staff continued Peak Hour Research and Analysis to gauge shifts since the onset of COVID-19.
- Staff continued research on unmanned aerial vehicle (UAV) (drone) applicability for data collection.
- Staff continued to update traffic volumes database and intersection database.
- Staff monitored implementation of Data Collection Operations and Safety Manual and developed refinements.
- Staff uploaded MassDOT - RPA Traffic Counting Program Counts and Turning Movement Counts to MS2.

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Meeting(s):

Schedule:

- Tasks to be conducted throughout the year.
- The calendar year 2021 traffic counting program has concluded. Counting of requested locations as part of MassDOT Program are completed and on schedule.
- The Year End 2021 Traffic Volume Report is being developed and completion is late winter 2022.

Task 2300: System Planning and Resource Activities
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Progress and Products:

- Staff attended and participated in 2021 Virtual Moving Together Conference.
- Staff attended and participated in Massachusetts Safe Routes to School Annual Fall Summit.
- Staff attended and participated in The Health Benefits of Active Transportation Webinar (APA OHIO and APA Florida).
- Staff continued staff knowledge development and training.
- Staff continued to maintain and update website and social media.
- Staff continued to provide information technology (IT) support.
- Staff provided hardware support and upgrade for transportation computers as needed.

Meeting(s):

- The Health Benefits of Active Transportation Webinar (APA Ohio and APA Florida)
October 15, 2021
Copley, OH (Virtual)
APA, MPOs, Stakeholders
- Massachusetts Safe Routes to School Annual Fall Summit
October 29, 2021
Boston, MA (Virtual)
Communities, MA SRTS, MPOs, Stakeholders

Schedule:

- Tasks to be conducted throughout the year.

Task 2400: Geographic Information System (GIS)
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Progress and Products:

- Staff continued research on ESRI drone software (Drone Deploy).
- Staff produced and refined multiple GIS product(s):

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- Acquisition of zoning by-laws/ ordinances, zoning base districts, and zoning overlay districts for all communities
- Avon Heavy Vehicle Exclusion Map
- BAT Ridership Report Map Series
- Bicycle and pedestrian Level of Service calculations and Maps Series for all communities
- Development of mapping techniques to determine thickly settled regions along roadways (for Kingston Thickly Settled Areas Analysis)
- Environmental Burdens adjacent to Environmental Justice Block Groups Map Series
- Geodatabase processing of pavement data for Cartegraph PMS
- Pedestrian Infrastructure for all communities Map Series
- Plymouth Thanksgiving Parade Route and Transportation Map
- Road widths within the BAT network Map Series to assist with determination potential areas for bus lanes
- Walk Time to Transit Map Series

Meeting(s):

- None

Schedule:

- Tasks to be conducted throughout the year.

Task 2500: Management Systems (Congestion, Land Use, Pavement & Safety), and Travel Demand Modeling

Progress and Products:

- Staff attended and participated in Cartegraph - Advanced Assets and Scenario Builder Overview.
- Staff attended and participated in Cartegraph - Cartegraph for Mobile Training.
- Staff attended and participated in Cartegraph - GIS Integration Training.
- Staff attended and participated in Cartegraph - Scenario Builder Training.
- Staff attended and participated in Cartegraph - System Administration Training.
- Staff attended and participated in Cartegraph - Work, Asset and Resource Management Training.
- Staff attended and participated in Cartegraph Pavement Management System Implementation Meeting.
- Staff attended and participated in two (2) Data Users Group (DUG) Meetings.
- Staff attended and participated in OCPC/ Cartegraph - Requirements Gathering Days 1 & 2.
- Staff attended and participated in OCPC/ Cartegraph - Scenario Builder and Pavement Detailed Distress Data.

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- Staff attended and participated in Riding the Wave: Using Big Data for Signal Analytics to Improve Travel Times, and Lower Emissions and Fuel Consumption (ITE).
- Staff attended and participated in Road Safety Audit - West Center Street (Route 106), West Bridgewater, MA.
- Staff attended and participated in three (3) Socioeconomic Projections Committee Meetings.
- Staff attended and participated in Travel Demand Model Coordination Meeting with CTPS.
- Staff conducted parking utilization counts at fourteen (14) MBTA Commuter Parking Facilities, six (6) MassDOT Park & Ride Facilities, and the BAT Intermodal Centre as part of the Fall Congestion Management Process (CMP).
- Staff continued compiling, reviewing, and developing Travel Demand Model files by using TransCAD (documents, files, forecasts).
- Staff continued congestion, safety, and pavement related analyses for transportation studies.
- Staff continued development of Safety Management System (SMS) (reviewing of measures identifying safety issues at high hazard locations through a data collection effort, which includes, but is not limited to the following: conducting turning movement counts, reviewing crash diagrams, calculating crash rates, vehicle volume studies, vehicle speed studies, vehicle classification studies and pedestrian studies).
- Staff continued multiple data collection activities, as appropriate - level of service analyses, volumes, and commuter lot utilization, as appropriate.
- Staff continued preparation and development of base year travel demand model.
- Staff continued review of existing Congestion Management Process (CMP) plans and programs and analyzing results of monitoring.
- Staff continued work on updating projects in MassBuilds, as appropriate.
- Staff utilized RITIS to research and acquire information on non-recurring congestion for inclusion in congestion management process.

Meeting(s):

- Socioeconomic Projections Committee Meeting
October 13, 2021
Boston, MA (Virtual)
FHWA, MassDOT, UMass Donahue Institute, MPOs
- Cartegraph Pavement Management System Implementation
October 13, 2021
Dubuque, IA (Virtual)
Cartegraph, OCPC
- OCPC/ Cartegraph - Requirements Gathering Day 1
November 2, 2021
Dubuque, IA (Virtual)

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Cartegraph, OCPC

- OCPC/ Cartegraph - Requirements Gathering Day 2
November 3, 2021
Dubuque, IA (Virtual)
Cartegraph, OCPC
- OCPC/ Cartegraph - Scenario Builder and Pavement Detailed Distress Data
November 4, 2021
Dubuque, IA (Virtual)
Cartegraph, OCPC
- Road Safety Audit - West Center Street (Route 106), West Bridgewater, MA
November 9, 2021
West Bridgewater, MA
West Bridgewater, MassDOT, OCPC, Consultant
- Socioeconomic Projections Committee Meeting
November 10, 2021
Boston, MA (Virtual)
FHWA, MassDOT, UMass Donahue Institute, MPOs
- Data Users Group (DUG) Meeting
November 10, 2021
Worcester, MA (Virtual)
MassDOT, MPOs, Stakeholders
- Travel Demand Model Coordination Meeting with CTPS
November 15, 2021
Boston, MA (Virtual)
CTPS, OCPC
- Riding the Wave: Using Big Data for Signal Analytics to Improve Travel Times, and Lower Emissions and Fuel Consumption (ITE)
November 30, 2021
Washington, D.C. (Virtual)
ITE, MPOs, Stakeholders
- Cartegraph - GIS Integration Training.
December 3, 2021
Dubuque, IA (Virtual)
Cartegraph, OCPC

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- Cartegraph - System Administration Training.
December 6, 2021
Dubuque, IA (Virtual)
Cartegraph, OCPC
- Cartegraph - Work, Asset and Resource Management Training.
December 6, 2021
Dubuque, IA (Virtual)
Cartegraph, OCPC
- Cartegraph - Advanced Assets and Scenario Builder Overview.
December 6, 2021
Dubuque, IA (Virtual)
Cartegraph, OCPC
- Cartegraph - Cartegraph for Mobile Training.
December 7, 2021
Dubuque, IA (Virtual)
Cartegraph, OCPC
- Socioeconomic Projections Committee Meeting
December 8, 2021
Boston, MA (Virtual)
FHWA, MassDOT, UMass Donahue Institute, MPOs
- Data Users Group (DUG) Meeting
December 8, 2021
Worcester, MA (Virtual)
MassDOT, MPOs, Stakeholders
- Cartegraph - Scenario Builder Training.
December 15, 2021
Dubuque, IA (Virtual)
Cartegraph, OCPC

Schedule:

- Management Systems and processes to be conducted throughout the year.
- Road Safety Audits and analyses to be completed by end of September 2022 and are on schedule.
- Fall commuter parking utilization counts completed.

Task 3100: Regional Traffic Studies, ITS, and Intermodal Planning

Progress and Products:

**FFY 2022 OLD COLONY UPWP FIRST QUARTER PROGRESS REPORT
OLD COLONY PLANNING COUNCIL (OCPC)**

- Staff attended and participated in 2021 Virtual Moving Together Conference.
- Staff attended and participated in Advancing Regional Transit: A Southeastern MA Roundtable.
- Staff attended and participated in BAT Advisory Board Meeting.
- Staff attended and participated in three (3) BAT-OCPC Planning Meetings.
- Staff attended and participated in Boston MPO Transit Working Group Meeting: Human Services Transportation.
- Staff attended and participated in Boston MPO Transit Working Group Meeting: Closing Gaps.
- Staff attended and participated in Bridgewater State University (BSU) Geography of Brockton Class Visit
- Staff attended and participated in Bridgewater State University (BSU) - Urban Planning Class Meeting.
- Staff attended and participated in Demands for use of the curb space (curbside lanes and the adjacent sidewalk space).
- Staff attended and participated in Massachusetts Safe Routes to School Annual Fall Summit.
- Staff attended and participated in The Health Benefits of Active Transportation Webinar (APA OHIO and APA Florida).
- Staff coordinated, attended and participated in Resilient Transportation and Climate Adaptation Summit.
- Staff completed FY 2021 BAT Ridership Report.
- Staff finalized Active Transportation Study.
- Staff finalized Climate Change Vulnerability Transportation Assessment.

Meeting(s):

- BAT Advisory Board Meeting
October 7, 2021
Brockton, MA (Virtual)
BAT Advisory Board, BAT, OCPC
- BAT-OCPC Planning Meeting
October 14, 2021
Brockton, MA (Virtual)
BAT, OCPC
- The Health Benefits of Active Transportation Webinar (APA Ohio and APA Florida)
October 15, 2021
Copley, OH (Virtual)
APA, MPOs, Stakeholders
- Resilient Transportation and Climate Adaptation Summit
October 20, 2021

**FFY 2022 OLD COLONY UPWP FIRST QUARTER PROGRESS REPORT
OLD COLONY PLANNING COUNCIL (OCPC)**

Brockton, MA (Virtual)
Communities, MPOs, RPAs, Stakeholders

- Boston MPO Transit Working Group Meeting: Human Services Transportation
October 26, 2021
Boston, MA (Virtual)
Communities, MassDOT, MPOs, RTAs, Stakeholders
- Massachusetts Safe Routes to School Annual Fall Summit
October 29, 2021
Boston, MA (Virtual)
Communities, MA SRTS, MPOs, Stakeholders
- Bridgewater State University (BSU) Geography of Brockton Class Visit
November 3, 2021
Brockton, MA
Bridgewater State University (BSU) Faculty and Students, OCPC
- Demands for use of the curb space (curbside lanes and the adjacent sidewalk space)
November 3, 2021
Amherst, MA (Virtual)
MassDOT, UMass Transportation Center, OCPC, Communities, Stakeholders
- Boston MPO Transit Working Group Meeting: Closing Gaps
November 8, 2021
Boston, MA (Virtual)
Communities, MassDOT, MPOs, RTAs, Stakeholders
- BAT-OCPC Planning Meeting
November 9, 2021
Brockton, MA (Virtual)
BAT, OCPC
- MassDOT Cape Cod Program Briefing (Canal Bridges and Access Roads) - Public Meeting
November 18, 2021
Boston, MA (Virtual)
MassDOT, MPOs, Communities, Stakeholders
- Bridgewater State University (BSU) - Urban Planning Class Meeting
November 19, 2021
Bridgewater, MA (Virtual)
Bridgewater State University (BSU) Faculty and Students, OCPC

**FFY 2022 OLD COLONY UPWP FIRST QUARTER PROGRESS REPORT
OLD COLONY PLANNING COUNCIL (OCPC)**

- BAT-OCPC Planning Meeting
December 1, 2021
Brockton, MA (Virtual)
BAT, OCPC
- 2021 Virtual Moving Together Conference
December 7-9, 2021
Boston, MA (Virtual)
DOTs, FHWA, MassDOT, MBTA, MPOs, RTAs, UMass, Communities, Stakeholders
- Advancing Regional Transit: A Southeastern MA Roundtable
December 8, 2021
Boston, MA (Virtual)
Coalition for Social Justice, MA Legislators, T4MA, RTAs, OCPC, Communities, Stakeholders

Schedule:

- Tasks to be conducted throughout the year.

Task 3200: Local Highway Technical Assistance (LTA)

Progress and Products:

- Staff attended and participated in Kingston Transportation Coordination Meeting (Route 106 and NHS).
- Staff attended and participated in Kingston Transportation Coordination Meeting (Route 3A at Route 53; Route 106 and NHS).
- Staff attended and participated in Reservoir Street Coordination Meeting (Brockton).
- Staff attended and participated in Route 138 - Turnpike Street and Washington Street Intersection Coordination Meeting (Easton).
- Staff collected and processed video using drone to document traffic operations at Obery Street at South Street (Plymouth). Staff will collect follow up video after town implements signal timing and phasing changes.
- Staff completed Heavy Commercial Vehicle Exclusion Zone (HCVE) Assistance for West Spring Street (Avon).
- Staff completed Heavy Commercial Vehicle Exclusion Zone (HCVE) Study for Walnut, Howard, and Prospect Streets (West Bridgewater).
- Staff completed Smiths Lane Commercial Vehicle Exclusion Zone (HCVE) Zone Transportation Study (Kingston).
- Staff continued development of Belmont Street Transportation Study (Belmont Street at Linwood/ Lorraine Streets; Belmont Street at VA Hospital; and Belmont Street at Manley Street) (Brockton).
- Staff continued development of Kingston Thickly Settled and Business District Analysis.

**FFY 2022 OLD COLONY UPWP FIRST QUARTER PROGRESS REPORT
OLD COLONY PLANNING COUNCIL (OCPC)**

- Staff continued development of Level of Service Analysis and Crash Rate Analysis of Route 123 at Quincy Street and Route 27 at Quincy Street and Massasoit Boulevard Transportation Study (Brockton).
- Staff continued to provide highway transportation technical assistance to local communities.
- Staff prepared crash trend analysis (2005-2021) for the intersection of Route 27 (Crescent Street) at Quincy Street and Massasoit Boulevard in Brockton.
- Staff prepared crash trend analysis (2010-2021) for three intersections along Belmont Street in Brockton (Belmont at Linwood/ Lorraine; Belmont at VA Hospital; and Belmont at Manly Street).
- Staff reviewed existing data and requests and selected locations for traffic counts.

Meeting(s):

- Reservoir Street Coordination Meeting (Brockton)
November 4, 2021
Brockton, MA (Virtual)
Brockton, OCPC
- Kingston Transportation Coordination Meeting (Route 3A at Route 53; Route 106 and NHS)
December 2, 2021
Kingston, MA (Virtual)
Kingston, OCPC
- Route 138 - Turnpike Street and Washington Street Intersection Coordination Meeting (Easton)
December 6, 2021
Easton, MA (Virtual)
Easton, MassDOT District 5, OCPC
- Kingston Transportation Coordination Meeting (Route 106 and NHS)
December 6, 2021
Kingston, MA (Virtual)
Kingston, OCPC

Schedule:

- Tasks to be conducted throughout the year.

Task 3300: Road Safety Audits (RSAs) at Multiple Locations
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Progress and Products:

- Staff attended and participated in Old Colony Joint Transportation Committee (JTC) Meeting and discussed FFY 2021 and FFY 2022 RSAs at Multiple Locations Project.

**FFY 2022 OLD COLONY UPWP FIRST QUARTER PROGRESS REPORT
OLD COLONY PLANNING COUNCIL (OCPC)**

- Staff attended and participated in Old Colony Metropolitan Planning Organization (MPO) Meeting and discussed FFY 2021 and FFY 2022 RSAs at Multiple Locations Project.
- Staff attended and participated in Road Safety Audit (RSA) Massapoag Avenue at Mill Street (Easton).
- Staff attended and participated in TIP Projects and RSAs Planning Coordination with Brockton.
- Staff completed Road Safety Audit (RSA) Central Street at Union Street/ West Union Street (East Bridgewater).
- Staff completed Road Safety Audit (RSA) Commerce Way Intersections (Plymouth).
- Staff completed Road Safety Audit (RSA) Forest Avenue at Main Street (Brockton).
- Staff completed Road Safety Audit (RSA) Manley Street at West Street (West Bridgewater).
- Staff completed Road Safety Audit (RSA) Pearl Street at Torrey Street (Brockton).
- Staff completed Road Safety Audit (RSA) Plymouth Street (Route 104) at High Street/ Pond Street (Bridgewater).
- Staff completed Road Safety Audits (RSAs) Forest Avenue Sub Corridor (Brockton).
- Staff continued acquisition and analysis of crash data and reports, and preparation of collision diagrams.
- Staff continued analysis of crash data and development of potential safety countermeasures.
- Staff continued development of potential safety countermeasures in advance of RSAs.
- Staff continued overall study development and video documentation of upcoming Road Safety Audit locations.
- Staff continued to coordinate with communities in order identify locations to conduct RSAs in FFY 2022. The location identified so far include:
 - Abington - Central Street Corridor
 - Abington - Groveland Street at Linwood Street
 - Brockton - Warren Avenue at Market Street
 - Brockton - West Chestnut Street at Southworth Street
 - Duxbury - Congress Street at Franklin Street
 - Duxbury - Route 53 at Franklin Street / High Street
 - Duxbury - Tremont Street (Route 3A) at Church Street (Route 139)
 - Easton - Massapoag Avenue at Mill Street

Meeting(s):

- Old Colony Joint Transportation Committee (JTC) Meeting
October 7, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MassDevelopment, MassDOT, Keolis, Stakeholders
- Old Colony Metropolitan Planning Organization (MPO) Meeting
October 19, 2021

**FFY 2022 OLD COLONY UPWP FIRST QUARTER PROGRESS REPORT
OLD COLONY PLANNING COUNCIL (OCPC)**

Brockton, MA (Virtual)

Old Colony MPO, BAT, FHWA, Kingston, MassDevelopment, MassDOT, SeePlymouth, Stakeholders

- Road Safety Audit (RSA) Massapoag Avenue at Mill Street (Easton)
November 16, 2021
Easton, MA (Virtual)
Easton, MassDOT, OCPC

Schedule:

- Road Safety Audits to be conducted throughout the year and completed by the end of September 2022. As multiple Road Safety Audits locations have been identified, site assessments and data analysis continue, along with the scheduling of the virtual audits. Staff reports that this overall task is on schedule.

Task 3400: High Priority Corridor Screening Assessment Study
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Progress and Products:

- Staff prepared scope of work and timeline.
- Staff prepared draft screening criteria.
- Staff developed GIS database framework for segment screening.
- Staff completed evaluation criteria and list of corridors for segment screening matrix.
- Staff attended and participated in Old Colony Joint Transportation Committee (JTC) Meeting and provided overview of pending assessment.
- Staff conducted Google Traffic and RITIS data research for segment screening.
- Staff continued overall study development.

Meeting(s):

- Old Colony Joint Transportation Committee (JTC) Meeting
October 7, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MassDevelopment, MassDOT, Keolis, Stakeholders

Schedule:

- Task to be conducted throughout the year and completed by the end of September 2022.

Task 3500: Freight Planning and Action Plan

Progress and Products:

- Staff prepared plan timeline.
- Staff attended and participated in Massachusetts Truck Parking Summit.

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OLD COLONY PLANNING COUNCIL (OCPC)**

- Staff attended and participated in Old Colony Joint Transportation Committee (JTC) Meeting and provided overview of upcoming plan and next steps.
- Staff conducted Initial site visit to Route 24 Service Plazas to review truck parking and utilization.
- Staff continued developing inventory of industrial parks.
- Staff reviewed application of RITIS to determine truck volumes, travel times, and congestion.
- Staff reviewed the 2015 Old Colony Freight and Goods Movement Study.
- Staff reviewed the 2016 Old Colony NHS Intermodal Connectors Study.
- Staff reviewed the 2018 Massachusetts Freight Plan.
- Staff continued overall study development.

Meeting(s):

- Old Colony Joint Transportation Committee (JTC) Meeting
October 7, 2021
Brockton, MA (Virtual)
Old Colony JTC, BAT, MassDevelopment, MassDOT, Keolis, Stakeholders

Schedule:

- Task to be conducted throughout the year and completed by the end of September 2022. Task is on schedule.

Task 3600: Performance Management

Progress and Products:

- Old Colony MPO reviewed and endorsed Fiscal Year 2022 Brockton Area Transit Authority (BAT) Transit Asset Management (TAM) - State of Good Repair Targets.
- Staff attended and participated in Old Colony Metropolitan Planning Organization (MPO) Meeting.
- Staff continued development and review of transportation data with potential applicability to performance measures (Top 200 Crash Locations and TIP Projects; Number of Road Safety Audits; Monthly PL Expenditures; Monthly Mileage Expenditures, etc.).
- Staff continued to evaluate performance measures and targets for overall transportation planning effort.
- Staff monitored EEA MEPA reviews/ scoping sessions and provided review/ comments on ENFs & EIRs undergoing review, as appropriate.
- Staff reviewed Draft MEPA Protocols for Analysis of Environmental Justice Impacts.
- Staff reviewed EEA #16504 - Warehouse Facility Project (East Bridgewater).
- Staff reviewed MassDOT Calendar Year 2022 Safety Performance Measure Targets (PM1).

**FFY 2022 OLD COLONY UPWP FIRST QUARTER PROGRESS REPORT
OLD COLONY PLANNING COUNCIL (OCPC)**

Meeting(s)

- Old Colony Metropolitan Planning Organization (MPO) Meeting
October 19, 2021
Brockton, MA (Virtual)
Old Colony MPO, BAT, FHWA, Kingston, MassDevelopment, MassDOT, SeePlymouth, Stakeholders

Schedule:

- Task to be conducted throughout the year.

Task 4100: Transit Technical Assistance/ Elderly & Disabled Support

Progress and Products:

- Staff attended and participated in 2021 Virtual Moving Together Conference.
- Staff attended and participated in Advancing Regional Transit: A Southeastern MA Roundtable.
- Staff attended and participated in BAT Advisory Board Meeting.
- Staff attended and participated in three (3) BAT-OCPC Planning Meetings.
- Staff attended and participated in Boston MPO Transit Working Group Meeting: Human Services Transportation.
- Staff attended and participated in Boston MPO Transit Working Group Meeting: Closing Gaps.
- Staff attended and participated in Bridgewater State University (BSU) Geography of Brockton Class Visit
- Staff attended and participated in Bridgewater State University (BSU) - Urban Planning Class Meeting.
- Staff attended and participated in Demands for use of the curb space (curbside lanes and the adjacent sidewalk space).
- Staff attended and participated in Massachusetts Safe Routes to School Annual Fall Summit.
- Staff attended and participated in The Health Benefits of Active Transportation Webinar (APA OHIO and APA Florida).
- Staff coordinated, attended and participated in Resilient Transportation and Climate Adaptation Summit.
- Staff completed FY 2021 BAT Ridership Report.
- Staff finalized Active Transportation Study.
- Staff finalized Climate Change Vulnerability Transportation Assessment.

Meeting(s):

- BAT Advisory Board Meeting
October 7, 2021
Brockton, MA (Virtual)
BAT Advisory Board, BAT, OCPC

**FFY 2022 OLD COLONY UPWP FIRST QUARTER PROGRESS REPORT
OLD COLONY PLANNING COUNCIL (OCPC)**

- BAT-OCPC Planning Meeting
October 14, 2021
Brockton, MA (Virtual)
BAT, OCPC

- The Health Benefits of Active Transportation Webinar (APA Ohio and APA Florida)
October 15, 2021
Copley, OH (Virtual)
APA, MPOs, Stakeholders

- Resilient Transportation and Climate Adaptation Summit
October 20, 2021
Brockton, MA (Virtual)
Communities, MPOs, RPAs, Stakeholders

- Boston MPO Transit Working Group Meeting: Human Services Transportation
October 26, 2021
Boston, MA (Virtual)
Communities, MassDOT, MPOs, RTAs, Stakeholders

- Massachusetts Safe Routes to School Annual Fall Summit
October 29, 2021
Boston, MA (Virtual)
Communities, MA SRTS, MPOs, Stakeholders

- Bridgewater State University (BSU) Geography of Brockton Class Visit
November 3, 2021
Brockton, MA
Bridgewater State University (BSU) Faculty and Students, OCPC

- Demands for use of the curb space (curbside lanes and the adjacent sidewalk space)
November 3, 2021
Amherst, MA (Virtual)
MassDOT, UMass Transportation Center, OCPC, Communities, Stakeholders

- Boston MPO Transit Working Group Meeting: Closing Gaps
November 8, 2021
Boston, MA (Virtual)
Communities, MassDOT, MPOs, RTAs, Stakeholders

- BAT-OCPC Planning Meeting
November 9, 2021

**FFY 2022 OLD COLONY UPWP FIRST QUARTER PROGRESS REPORT
OLD COLONY PLANNING COUNCIL (OCPC)**

Brockton, MA (Virtual)
BAT, OCPC

- MassDOT Cape Cod Program Briefing (Canal Bridges and Access Roads) - Public Meeting
November 18, 2021
Boston, MA (Virtual)
MassDOT, MPOs, Communities, Stakeholders
- Bridgewater State University (BSU) - Urban Planning Class Meeting
November 19, 2021
Bridgewater, MA (Virtual)
Bridgewater State University (BSU) Faculty and Students, OCPC
- BAT-OCPC Planning Meeting
December 1, 2021
Brockton, MA (Virtual)
BAT, OCPC
- 2021 Virtual Moving Together Conference
December 7-9, 2021
Boston, MA (Virtual)
DOTs, FHWA, MassDOT, MBTA, MPOs, RTAs, UMass, Communities, Stakeholders
- Advancing Regional Transit: A Southeastern MA Roundtable
December 8, 2021
Boston, MA (Virtual)
Coalition for Social Justice, MA Legislators, T4MA, RTAs, OCPC, Communities, Stakeholders

Schedule:

- Tasks to be conducted throughout the year.

Appendix A

Old Colony MPO Planning Certification Review Action Plan First Quarter Status Report, as of December 31, 2021

Transportation Planning Certification Review of the Old Colony Metropolitan Planning Organization, Final Report, February 2020

FHWA & FTA Recommendations/ Corrective Action	MPO Response & Proposed Action	Responsibility	Target Date(s)	Status Update as of December 31, 2021
1. Financial Planning				
<p>Recommendation: The MPO should ensure there is a clear demonstration of financial constraint for the MTP by factoring in projects commitments against available revenue throughout the life of the plan.</p>	<p>The MPO will ensure that there is a clear demonstration of financial constraint for the 2024 MTP by factoring in projects commitments against available revenue throughout the life of the plan. In preparation for the development of the 2024 MTP, the MPO will review best practices and examples of MTPs that clearly demonstrate financial constraint.</p>	<p>Old Colony Planning Council</p>	<p>January 2023</p>	<p>No activity this quarter.</p>
2. Annual List of Obligated Projects				
<p>Recommendation: The MPO should work with its transit partners to ensure they have the necessary information to be able to accurately report on the obligations that have occurred during the appropriate reporting year.</p>	<p>The MPO will work with Brockton Area Transit to acquire the necessary information to be able to accurately report on the obligations that have occurred during the appropriate reporting year.</p>	<p>Brockton Area Transit, Old Colony Planning Council</p>	<p>December 2020</p>	<p>Completed. OCPC worked with BAT and MassDOT Rail and Transit to acquire the information to accurately report on the obligations. The FFY 2020 Annual Obligations Report has been prepared and is posted on the OCPC Website at: http://www.ocpcrpa.org/docs/mpo/FFY_2020_Annual_Projects_Obligation_List.pdf</p>
3. Metropolitan Transportation Plan				
<p>Corrective Action: An MPO MTP requires valid forecasts of future demand for transportation services</p>	<p>To assist with the inclusion and discussion of such modeling results and anticipated future demand, the MPO will coordinate with MassDOT</p>	<p>MassDOT, Old Colony Planning Council</p>	<p>June 2021</p>	<p>This effort is ongoing. In July 2020, OCPC contacted MassDOT and CTPS to discuss and commence coordination efforts. Additionally, OCPC met virtually with CTPS in July 2020 to further discuss and define process. The Boston</p>

FHWA & FTA Recommendations/ Corrective Action	MPO Response & Proposed Action	Responsibility	Target Date(s)	Status Update as of December 31, 2021
<p>with model outputs that are used to estimate regional vehicle activity and a factor in selecting transportation investments. In all future updates of the MTP the MPO shall include a full discussion of the modeling results, anticipated future demand, and how implementation of the plan will impact that demand and the transportation system within the region.</p>	<p>to obtain the detailed results of the most recent Statewide Travel Demand Model in order to inform current planning efforts. Upon receipt of the detailed results of the most recent Statewide Travel Demand Model, the MPO will prepare a full discussion of the modeling results, anticipated future demand, and how implementation of the plan will impact that demand and the transportation system within the region for inclusion in the 2020-2040 MTP. The MPO will then prepare an amendment to the 2020-2040 MTP to include this information (Target date of June 2021.)</p> <p>MassDOT and Old Colony Planning will work collaboratively so that in all future updates of the MTP, the MPO will include a full discussion of the modeling results, anticipated future demand, and how implementation of the plan will impact that demand and the transportation system within the region. (Target date of December 2022 for Draft MTP.)</p>		December 2022	<p>MPO has a modeling task in their FFY 2021 UPWP to provide results of statewide travel model to MPOs.</p> <p>A Southern Boston UZA Coordination Meeting was February 3, 2021. The topic of travel demand models was discussed. The work of the CTPS continues regarding their task of developing and providing results of statewide travel model to MPOs.</p> <p>In February 2021, OCPC consulted with FHWA and MassDOT and it was the determination that the current 2020 MTP would not have to be amended to include a full discussion of the modeling results, anticipated future demand, and how implementation of the plan will impact that demand and the transportation system within the region.</p> <p>In November 2021, OCPC consulted with CTPS staff in an effort to obtain their 2019 travel demand model files. This would assist OCPC with developing its travel demand model. Nevertheless, OCPC continues to develop its own travel demand model.</p>
<p>Recommendation: In the next MTP update the MPO should expand its scenario planning discussion by providing a more detailed</p>	<p>The MPO will expand its scenario planning discussion by providing a more detailed description of each scenario, how the MPO developed the scenarios, and how the MPO</p>	Old Colony Planning Council	December 2022	No activity this quarter.

FHWA & FTA Recommendations/ Corrective Action	MPO Response & Proposed Action	Responsibility	Target Date(s)	Status Update as of December 31, 2021
description of each scenario, how the MPO developed the scenarios, and how the MPO determined its preferred scenario. Further, the MPO should include an analysis of the impact the preferred scenario has on the performance of transportation system.	determined its preferred scenario. Additionally, the MPO will include an analysis of the impact the preferred scenario has on the performance of transportation system.			
Recommendation: In the next MTP update, the MPO should include specific amendment and administrative modification procedures to guide future MTP updates.	The MPO will include specific amendment and administrative modification procedures to guide future MTP updates. The MPO will amend the 2020-2040 MTP to include this information (Target date of June 2021.)	Old Colony Planning Council	July 2021	No activity this quarter.
4. Congestion Management Process				
Recommendation: The MPO should update the CMP on a recurring cycle (i.e., each MTP cycle) to reflect the most up-to-date metropolitan transportation plan, UPWP, and TIP and to inform MPO members, partner agencies, the public, and other stakeholders of the region's congestion management problems, needs, and	The MPO will update the CMP on a recurring cycle (i.e., each MTP cycle) to reflect the most up-to-date metropolitan transportation plan, UPWP, and TIP and to inform MPO members, partner agencies, the public, and other stakeholders of the region's congestion management problems, needs, and strategies. Additionally, the MPO will review federal guidance and requirements, and obtain examples of CMP best practices.	Old Colony Planning Council	December 2022	This effort is ongoing. The MPO is evolving the CMP from and Annual Report to a CMP that is prepared and completed on a four-year cycle that conclude six months prior to the endorsement of the metropolitan transportation plan. As part of this process, the MPO reviewed federal guidance and requirements, and obtained examples of CMP best practices.

FHWA & FTA Recommendations/ Corrective Action	MPO Response & Proposed Action	Responsibility	Target Date(s)	Status Update as of December 31, 2021
strategies.				
<p>Recommendation: The MPO should document and analyze non-recurring congestion related to work zones, special events, crashes, snow management, and other weather events in the next CMP update.</p>	<p>The MPO will work to document and analyze non-recurring congestion related to work zones, special events, crashes, snow management, and other weather events in the next CMP update.</p> <p>The MPO will work with state and regional partners (BAT and MassDOT, etc.) and others (National Weather Service, etc.) to formulize the documentation of non-recurring congestion related to work zones, special events, crashes, snow management, and other weather events.</p>	<p>Brockton Area Transit, MassDOT, Old Colony Planning Council</p>	<p>December 2022</p>	<p>This effort is ongoing.</p> <p>This effort is ongoing and the MPO is working to document and analyze non-recurring congestion related to work zones, special events, crashes, snow management, and other weather events for inclusion in the next CMP update.</p> <p>The MPO is utilizing the Regional Integrated Transportation Information System (RITIS) to assist with the identification and documentation of non-recurring congestion. The MPO is working with BAT to document non-recurring congestion related to crashes. Staff researched data related to documentation of non-recurring congestion related to work zones, and crashes. Staff began review of potential for utilization of StreetLight and will set up demonstration with vendor in July and have then follow up discussion with MassDOT on their experience.</p> <p>Brockton Area Transit is currently in the process of implementing automated passenger counters (APCs) on their fixed route buses. This technology will provide real time passenger loads by each bus as it travels its fixed roue. This will enable the MPO to screen and develop passenger load information to assess which routes and route segments are congested. OCPC has had discussions with BAT regarding obtaining and then processing and analyzing Automatic Vehicle Location System (AVL) data and Automated Passenger Counter (APC) data.</p>
5. Performance Based Planning and Programming				
<p>Recommendation: The MPO should use the terminology "system performance report" for the performance management discussion in the next metropolitan transportation</p>	<p>The MPO will use the terminology "system performance report" for the performance management discussion in the next metropolitan transportation plan to clearly demonstrate compliance with 23 CFR 450.324(f)(4) and avoid any potential</p>	<p>Old Colony Planning Council</p>	<p>December 2022</p>	<p>The development of the 2024-2050 metropolitan transportation plan has not commenced, however, the MPO will use the terminology "system performance report" for the performance management in the plan.</p>

FHWA & FTA Recommendations/ Corrective Action	MPO Response & Proposed Action	Responsibility	Target Date(s)	Status Update as of December 31, 2021
plan to clearly demonstrate compliance with 23 CFR 450.324(f)(4) and avoid any potential confusion among partner agencies and stakeholders moving forward.	confusion among partner agencies and stakeholders moving forward.			

6. Regional Planning Agreements and Coordination

<p>Corrective Action: MassDOT, in cooperation with the MPOs, public transportation providers, and air quality resource agencies serving the Barnstable UZA, shall establish a written coordination agreement(s) according to the requirements at 23 CFR 450.312(h) and 450.314. Minimally, the resulting agreement shall address the division of responsibilities related to the coordination concerns referenced in the regulations.</p>	<p>MassDOT, in cooperation with the MPOs, public transportation providers, and air quality resource agencies serving the Barnstable UZA, shall established a written coordination agreement(s) according to the requirements at 23 CFR 450.312(h) and 450.314. Said agreement has been approved and endorsed by the MPOs of the Barnstable Urbanized Area.</p>	<p>MassDOT, in cooperation with the MPOs, public transportation providers, and air quality resource agencies serving the Barnstable UZA.</p>	<p>March 2020</p>	<p>Completed. This was completed in Second Quarter 2020, and the signed agreement has been provided to FHWA and FTA.</p>
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7. Public Outreach and Involvement

FHWA & FTA Recommendations/ Corrective Action	MPO Response & Proposed Action	Responsibility	Target Date(s)	Status Update as of December 31, 2021
<p>Recommendation: The MPO should formally document its public involvement evaluation methodology procedures in its PPP with qualitative and quantitative measures to evaluate and improve its process. Using this methodology, the MPO should regularly produce an evaluation of the effectiveness of its public involvement procedures that assesses the strategies and techniques employed and describe what worked well and what could be improved with recommendations for future efforts.</p>	<p>The MPO will begin to formally document its public involvement evaluation methodology procedures in its PPP with qualitative and quantitative measures to evaluate and improve its process. The number of attendees at JTC and MPO meetings is already quantified and reported via the UPWP Annual Progress Report.</p> <p>The MPO will annually produce an evaluation of the effectiveness of its public involvement procedures that assesses the strategies and techniques employed and describe what worked well and what could be improved with recommendations for future efforts. The first evaluation will be produced for FFY 2020 (Target date of December 2020.)</p>	Old Colony Planning Council	December 2020	<p>Completed.</p> <p>The MPO staff has prepared evaluation methodology procedures with qualitative and quantitative measures to evaluate and improve its process.</p> <p>The MPO continues to develop evaluation methodology procedures with qualitative and quantitative measures to evaluate and improve its process. The measures will be included in an amended PPP.</p> <p>A Measures of Effectiveness Report (MOE) has been prepared and was provided to MassDOT and FHWA in December 2020. The measures will be included in an amended PPP. The schedule for the amended PPP is MPO release to 45-day public review and comment period in mid to late Spring.</p> <p>A Public Participation Plan was prepared and then underwent a 45-day public review and comment period. Included in the plan is the evaluation methodology procedures with qualitative and quantitative measures to evaluate the effectiveness of public involvement procedures. Also included are the virtual public engagement techniques that have been implemented since February 2020.</p> <p>The public comments and a revised PPP were presented and reviewed by the Old Colony MPO. The Old Colony MPO endorsed the PPP in August 2021.</p>
8. Title VI Civil Rights				
<p>Recommendation: While there is no indication or evidence of non-compliance with Title VI requirements, it is</p>	<p>The MPO, in coordination with MassDOT's Office of Diversity and Civil Rights, will host a training/workshop on disparate-impact discrimination for the representatives</p>	MassDOT, Old Colony Planning Council	December 2020	<p>Completed.</p> <p>Old Colony Planning Council coordinated with the MassDOT Office of Diversity and the MassDOT Office of Transportation on the training/workshop.</p>

FHWA & FTA Recommendations/ Corrective Action	MPO Response & Proposed Action	Responsibility	Target Date(s)	Status Update as of December 31, 2021
<p>recommended the MPO host a brief training/workshop on disparate-impact discrimination for the representatives of the cities and towns that comprise the region. The intent is to take a proactive approach to ensure all sub-recipients of federal financial aid are knowledgeable of Title VI requirements which bars intentional discrimination as well as disparate-impact discrimination stemming from a neutral policy or practice that has the effect of a disparate impact on protected groups based on race, color, or national origin. MassDOT which is the direct recipient federal financial aid may serve as the source or conduit for the training.</p>	<p>of the communities that comprise the region (Target date of December 2020.)</p>			<p>As such, the workshop entitled “Understanding Disparate Impact in Old Colony Metropolitan Planning Organization (MPO) Activities and Decision Making” was held on November 5, 2020. Both MassDOT and OCPC provided presentations during the workshop.</p> <p>Old Colony Planning Council, the MassDOT Office of Diversity, and the MassDOT Office of Transportation will continue to coordinate and hold an annual training/ workshop on disparate-impact discrimination for the representatives of the communities that comprise the region.</p> <p>Link to 2021 Public Participation Plan: http://www.ocpcrpa.org/docs/mpo/Old_Colony_Public_Participation_Plan_2021.pdf</p>
9. Title VI - Limited English Proficiency				
<p>Recommendation: The MPO should consistently document the frequency and number of persons contacted during the community outreach</p>	<p>The MPO will consistently document the frequency and number of persons contacted during the community outreach efforts. This will inform the MPO's evaluation of the effectiveness of its public involvement procedures.</p>	<p>Old Colony Planning Council</p>	<p>December 2020</p>	<p>This effort is ongoing.</p> <p>The MPO developed an overall tracking spreadsheet for all public outreach events. Attendance at JTC and MPO meetings is provided dating back to the beginning of FFY 2015.</p> <p>A Public Participation Plan, that included evaluation methodology</p>

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<p>efforts. For example, the estimated number of listeners for radio ads or the number of persons enrolled in the Community Partnership for Adult Education English Class. This will further support the MPO's compliance with the second Four-Factor analysis requirement (the frequency with which LEP individuals come in contact with the program).</p>	<p>The MPO will annually produce an evaluation of the effectiveness of its public involvement procedures that assesses the strategies and techniques employed and describe what worked well and what could be improved with recommendations for future efforts. The first evaluation will be produced for FFY 2020 (Target date of December 2020.)</p>			<p>procedures with qualitative and quantitative measures to evaluate and improve its process, was prepared and then underwent a 45-day public review and comment period. Included in the plan is the evaluation methodology procedures with qualitative and quantitative measures to evaluate the effectiveness of public involvement procedures. Also included are the virtual public engagement techniques that have been implemented since February 2020.</p> <p>The public comments and a revised PPP were presented and reviewed by the Old Colony MPO. The Old Colony MPO endorsed the PPP in August 2021.</p> <p>A Measures of Effectiveness Report (MOE) has been prepared and was provided to MassDOT and FHWA in December 2020. The MOE Report will be prepared annually in January.</p>